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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,158	10/16/2003	Mark A. Michalicek	AFD 623	6032
26902 7.	7590 11/15/2005		EXAMINER	
DEPARTMENT OF THE AIR FORCE			MENZ, DOUGLAS M	
AFMC LO/JAZ 2240 B ST., RM. 100			ART UNIT	PAPER NUMBER
WRIGHT-PATTERSON AFB, OH 45433-7109			2891	

DATE MAILED: 11/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

Paper No(s)/Mail Date 10/16/03.

Notice of Informal Patent Application (PTO-152)

Other: <u>Search History</u>.

Art Unit: 2891

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group II, claims 9-12, in the reply filed on 7/1/05 is acknowledged.

Newly submitted claims 21-31 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: Claims 21-31 constitute 2 species of the claimed invention of Group II. Namely;

Species A, claims 21-23.

Species B, claims 24-31.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 21-31 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

Application/Control Number: 10/690,158

Art Unit: 2891

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 9-12 are rejected under 35 U.S.C. 102(e) as being anticipated by True et al. (US 2001/0040675).

Regarding claim 9,True discloses a rotationally mergeable MEMS apparatus comprising the combination of:

an electronic circuit module having a MEMS active element controlling output electrode (64, 65, Figs. 8A-B) disposed in an upper layer output location thereof (Figs. 6, 8A-B and Paragraph 0028, 0036, 0049);

a mating MEMS active element module having an electromagnetic field movable active element (61, Figs. 8A-B) disposed in an exposed, said output electrode corresponding, location thereof, said MEMS active element module including module supporting flexible tensile members connected with a substrate hinge-mounted sacrificial MEMS active element module support element (Figs. 5A-D and Paragraphs 0025-0026);

a MEMS active element module physical support element latching member movably mounted on said substrate and disposable in a position of mutually locked engagement with said substrate hinge mounted MEMS active element module support element in a selected off- chip and rotated about said hinge location thereof adjacent said electronic circuit module (Figs. 5A-D and Paragraphs 0025-0026, 0031, 0050).

Application/Control Number: 10/690,158

Art Unit: 2891

Regarding claim 10, True further discloses wherein said MEMS active element module physical support element includes a slider element (53, Figs. 5A-D) engageable with a tongue portion (51, Figs. 5A-D) of said MEMS active element module physical support element in said position of mutually locked engagement.

Regarding claim 11, True further discloses wherein said MEMS active element module physical support element latching member is comprised of semiconductor materials included in said MEMS active element module (Paragraph 0026).

Regarding claim 12, True further discloses wherein said MEMS active element module physical support element latching member, said module supporting flexible tensile members, said hinge-mounted sacrificial MEMS active element module support element and said MEMS active element module are comprised of silicon semiconductor materials (Paragraph 0026).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas M. Menz whose telephone number is 571-272-1877. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Baumeister can be reached on 571-272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/690,158

Art Unit: 2891

Page 5

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Dong My 11/13/05

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